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(FILE 'HOME' ENTERED AT 16:01:12 ON 30 AUG 2004)

FILE 'HCAPLUS' ENTERED AT 16:01:31 ON 30 AUG 2004
L1 3 US20040106209/PN

FILE 'REGISTRY' ENTERED AT 16:01:57 ON 30 AUG 2004

FILE 'HCAPLUS' ENTERED AT 16:02:00 ON 30 AUG 2004
L2 TRA L1 1- RN : 26 TERMS

FILE 'REGISTRY' ENTERED AT 16:02:00 ON 30 AUG 2004
L3 26 SEA L2

FILE 'WPIX' ENTERED AT 16:02:06 ON 30 AUG 2004
L4 1 US20040106209/PN

=> b hcap

FILE 'HCAPLUS' ENTERED AT 16:02:30 ON 30 AUG 2004
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FILE COVERS 1907 - 30 Aug 2004 VOL 141 ISS 10
FILE LAST UPDATED: 29 Aug 2004 (20040829/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

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L1 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:451570 HCAPLUS
DN 140:420391
ED Entered STN: 04 Jun 2004
TI Methods for improving sensitivity of oxygen biosensors
IN Keith, Steven C.
PA USA
SO U.S. Pat. Appl. Publ., 16 pp., Cont.-in-part of U.S. Ser. No. 642,504.
CODEN: USXXCO
DT Patent
LA English
IC ICM G01N033-00
NCL 436127000
CC 9-16 (Biochemical Methods)
FAN.CNT 4

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------------|-------|----------|-----------------|--------------|
| ----- | ----- | ----- | ----- | ----- |
| PI US 2004106209 | A1 | 20040603 | US 2001-966505 | 20010928 <-- |
| EP 509791 | A1 | 19921021 | EP 1992-303391 | 19920415 |
| EP 509791 | B1 | 19960703 | | |
| R: DE, FR, GB, IT | | | | |
| CA 2066329 | AA | 19921019 | CA 1992-2066329 | 19920416 |
| CA 2066329 | C | 20000620 | | |
| JP 05137596 | A2 | 19930601 | JP 1992-98368 | 19920418 |
| JP 07073510 | B4 | 19950809 | | |
| US 6395506 | B1 | 20020528 | US 1999-342720 | 19990629 |
| US 2002192636 | A1 | 20021219 | US 2002-109475 | 20020328 |
| PRAI US 1991-687359 | B1 | 19910418 | | |
| US 1993-25899 | A2 | 19930303 | | |
| US 1996-715557 | B2 | 19960918 | | |
| US 1999-342720 | A2 | 19990629 | | |
| US 2000-642504 | A2 | 20000818 | | |
| US 2001-966505 | A2 | 20010928 | | |

CLASS

| PATENT NO. | CLASS | PATENT FAMILY CLASSIFICATION CODES |
|------------|-------|------------------------------------|
| ----- | ----- | ----- |

| | | |
|---------------|------|------------------------|
| US 2004106209 | ICM | G01N033-00 |
| | NCL | 436127000 |
| US 2004106209 | ECLA | C12Q001/04; C12Q001/18 |
| US 6395506 | ECLA | C12Q001/04; C12Q001/18 |
| US 2002192636 | ECLA | C12Q001/04; C12Q001/18 |

AB The present invention is directed to methods used to detect metabolic activity of biol. samples based on their ability to consume oxygen.

ST oxygen biosensor

IT Biosensors

Computer program

Mathematical methods

Simulation and Modeling, biological

Statistical analysis

(methods for improving sensitivity of oxygen biosensors)

IT 7782-44-7, Oxygen, analysis

RL: ANT (Analyte); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)

(methods for improving sensitivity of oxygen biosensors)

IT 15158-62-0 36309-88-3 50525-27-4 63373-04-6

RL: ARU (Analytical role, unclassified); ANST (Analytical study)

(methods for improving sensitivity of oxygen biosensors)

IT 9035-51-2, Cytochrome P450, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(methods for improving sensitivity of oxygen biosensors)

L1 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:964997 HCAPLUS

DN 138:35680

ED Entered STN: 20 Dec 2002

TI Methods and apparatus for the discovery of growth promoting environments

IN Guarino, Richard David; Hemperly, John Jacob; Spargo, Catherine A.; Liebmann-Vinson, Andrea; Heidaran, Mohammad A.

PA USA

SO U.S. Pat. Appl. Publ., 18 pp., Cont.-in-part of U. S. Ser. No. 966,505.

CODEN: USXXCO

DT Patent

LA English

IC ICM C12Q001-00

ICS G01N033-53; G01N033-567; C12Q001-18

NCL 435004000; 435007200; 435040500

CC 9-1 (Biochemical Methods)

FAN.CNT 4

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|------|----------|-----------------|--------------|
| PI | US 2002192636 | A1 | 20021219 | US 2002-109475 | 20020328 |
| | EP 509791 | A1 | 19921021 | EP 1992-303391 | 19920415 |
| | EP 509791 | B1 | 19960703 | | |
| | R: DE, FR, GB, IT | | | | |
| | CA 2066329 | AA | 19921019 | CA 1992-2066329 | 19920416 |
| | CA 2066329 | C | 20000620 | | |
| | JP 05137596 | A2 | 19930601 | JP 1992-98368 | 19920418 |
| | JP 07073510 | B4 | 19950809 | | |
| | US 6395506 | B1 | 20020528 | US 1999-342720 | 19990629 |
| | US 2004106209 | A1 | 20040603 | US 2001-966505 | 20010928 <-- |
| PRAI | US 1991-687359 | B1 | 19910418 | | |
| | US 1993-25899 | A2 | 19930303 | | |
| | US 1996-715557 | A2 | 19960918 | | |
| | US 1999-342720 | A2 | 19990629 | | |
| | US 2000-642504 | A2 | 20000818 | | |
| | US 2001-966505 | A2 | 20010928 | | |

CLASS

| | PATENT NO. | CLASS | PATENT FAMILY CLASSIFICATION CODES |
|--|---------------|-------|-------------------------------------|
| | US 2002192636 | ICM | C12Q001-00 |
| | | ICS | G01N033-53; G01N033-567; C12Q001-18 |
| | | NCL | 435004000; 435007200; 435040500 |
| | US 2002192636 | ECLA | C12Q001/04; C12Q001/18 |
| | US 6395506 | ECLA | C12Q001/04; C12Q001/18 |
| | US 2004106209 | ECLA | C12Q001/04; C12Q001/18 |

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AB The present invention relates to cell culture. In particular, this invention is directed to methods and apparatuses used to observe or quantitate cell proliferation in the presence of potential growth promoting mols. in a two or three dimensional architecture. Further, the invention provides methods, apparatuses and kits which can be used in assays for the effects of different materials, bioactive agents, or combinations thereof on cells in two or three dimensional culture. In particular, the invention provides a method for determining the presence or absence of respiring cells which includes depositing a three-dimensional biomimetic scaffold and cells onto a sensor composition, the sensor composition including a luminescent compound that exhibits a change in luminescent property when irradiated with light containing wavelengths which cause said compound to luminesce upon exposure to oxygen and then irradiating the sensor composition with light to cause luminescence, followed by determining

the

resultant luminescent light intensity emitted and determining whether said resultant luminescent light intensity emitted is indicative of the presence or absence of respiring cells. The system also can be used in cytotoxicity assays for the effects of drugs, toxins, or chems. on eukaryotic or prokaryotic cells.

ST app respiration cell culture luminescence proliferation oxygen biosensor

IT Animal cell line

(3T3; methods and apparatus for discovery of growth promoting environments)

IT Animal cell line

(MC3T3-E1; methods and apparatus for discovery of growth promoting environments)

IT Animal cell line

(WI-38; methods and apparatus for discovery of growth promoting environments)

IT Respiration, animal

(cells; methods and apparatus for discovery of growth promoting environments)

IT Analytical apparatus
Animal tissue culture
Biosensors
Cell proliferation
Extracellular matrix
Films
Growth, animal
Human
Immobilization, molecular or cellular
Luminescence
Luminescence spectroscopy
Luminescent substances
Microtiter plates
Respiration, microbial
Test kits
(methods and apparatus for discovery of growth promoting environments)

IT Plastics, analysis
Silicone rubber, analysis
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(methods and apparatus for discovery of growth promoting environments)

IT Growth factors, animal
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(methods and apparatus for discovery of growth promoting environments)

IT Rubber, biological studies
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(methods and apparatus for discovery of growth promoting environments)

IT Collagens, biological studies
Entactin
Laminins
Polyoxalkylenes, biological studies
Proteoglycans, biological studies
Vitronectin
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(methods and apparatus for discovery of growth promoting environments)

IT Polymers, uses
RL: NUU (Other use, unclassified); PRP (Properties); USES (Uses)
(methods and apparatus for discovery of growth promoting environments)

IT Sarcoma
(mouse, exts. from; methods and apparatus for discovery of growth promoting environments)

IT Gas sensors
(oxygen; methods and apparatus for discovery of growth promoting environments)

IT Collagens, biological studies
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(type IV; methods and apparatus for discovery of growth promoting environments)

IT 7782-44-7, Oxygen, analysis
RL: ANT (Analyte); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(methods and apparatus for discovery of growth promoting environments)

IT 1499-10-1, 9,10-Diphenylanthracene 15158-62-0, Tris-2,2'-bipyridylruthenium (II) 36309-88-3, Tris-4,7-diphenyl-1,10-phenanthroline ruthenium (II) chloride 50525-27-4, Tris(2,2'-bipyridyl)ruthenium (II) chloride hexahydrate 63373-04-6,

Tris-4,7-diphenyl-1,10-phenanthroline ruthenium (II)
 RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
 (methods and apparatus for discovery of growth promoting environments)

IT 7631-86-9, Silica, analysis
 RL: ARU (Analytical role, unclassified); ANST (Analytical study)
 (methods and apparatus for discovery of growth promoting environments)

IT 9050-30-0, Heparan sulfate
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
 (Biological study)
 (methods and apparatus for discovery of growth promoting environments)

IT 25322-69-4, Polypropylene oxide 26009-03-0, Polyglycolic acid
 26023-30-3, Poly[oxy(1-methyl-2-oxo-1,2-ethanediyl)] 141907-41-7, Matrix
 metalloproteinase
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (methods and apparatus for discovery of growth promoting environments)

L1 ANSWER 3 OF 3 HCPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:403838 HCPLUS
 DN 136:382505
 ED Entered STN: 30 May 2002
 TI Device for monitoring cells
 IN Pitner, J. Bruce; Hemperly, John Jacob; Guarino, Richard D.; Wodnicka,
 Magdalena; Stitt, David T.; Burrell, Gregory J.; Foley, Timothy G., Jr.;
 Beatty, Patrick Shawn
 PA Becton, Dickinson and Company, USA
 SO U.S., 42 pp., Cont.-in-part of U.S. Ser. No. 715,557.
 CODEN: USXXAM
 DT Patent
 LA English
 IC ICM C12Q001-18
 NCL 435032000
 CC 9-1 (Biochemical Methods)
 Section cross-reference(s): 1, 4

FAN.CNT 4

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|------|----------|-----------------|--------------|
| PI | US 6395506 | B1 | 20020528 | US 1999-342720 | 19990629 |
| | EP 509791 | A1 | 19921021 | EP 1992-303391 | 19920415 |
| | EP 509791 | B1 | 19960703 | | |
| | R: DE, FR, GB, IT | | | | |
| | CA 2066329 | AA | 19921019 | CA 1992-2066329 | 19920416 |
| | CA 2066329 | C | 20000620 | | |
| | JP 05137596 | A2 | 19930601 | JP 1992-98368 | 19920418 |
| | JP 07073510 | B4 | 19950809 | | |
| | US 2004106209 | A1 | 20040603 | US 2001-966505 | 20010928 <-- |
| | US 2002192636 | A1 | 20021219 | US 2002-109475 | 20020328 |
| | US 2002155424 | A1 | 20021024 | US 2002-116777 | 20020404 |
| PRAI | US 1991-687359 | B1 | 19910418 | | |
| | US 1993-25899 | A2 | 19930303 | | |
| | US 1996-715557 | A2 | 19960918 | | |
| | US 1999-342720 | A2 | 19990629 | | |
| | US 2000-642504 | A2 | 20000818 | | |
| | US 2001-966505 | A2 | 20010928 | | |

CLASS

| PATENT NO. | CLASS | PATENT FAMILY CLASSIFICATION CODES |
|------------|-------|------------------------------------|
| US 6395506 | ICM | C12Q001-18 |
| | NCL | 435032000 |
| US 6395506 | ECLA | C12Q001/04; C12Q001/18 |

US 2004106209 ECLA C12Q001/04; C12Q001/18
US 2002192636 ECLA C12Q001/04; C12Q001/18
US 2002155424 ECLA C12Q001/04; C12Q001/18

<--

AB The present invention relates to methods for detection and evaluation of metabolic activity of eukaryotic and/or prokaryotic cells based upon their ability to consume dissolved oxygen. The methods utilize a luminescence detection system which makes use of the sensitivity of the luminescent emission of certain compds. to the presence of oxygen, which quenches (diminishes) the compound's luminescent emission in a concentration dependent manner. Respiring eukaryotic and/or prokaryotic cells will affect the oxygen concentration of a liquid medium in which they are immersed. Thus, this invention provides a convenient system to gather information on the presence, identification, quantification and cytotoxic activity of eukaryotic and/or prokaryotic cells by determining their effect on the oxygen concentration of the media in which they are present.

ST device monitoring cell

IT Plates

(Microtitration; device for monitoring cells)

IT Analytical apparatus

Antibiotics

Biological materials

Blood

Blood serum

Cell

Cell proliferation

Chemicals

Coating materials

Composition

Concentration (condition)

Culture media

Cytotoxicity

Drugs

Escherichia coli

Eubacteria

Eukaryota

Extracellular matrix

Fluorescence quenching

Impermeability

Insecta

Light

Liquids

Luminescence

Luminescence quenching

Luminescence spectroscopy

Luminescent substances

Mathematical methods

Metabolism

Microorganism

Molecules

Particles

Permeability

Prokaryote

Pseudomonas aeruginosa

Radiation

Reducing agents

Respiration, animal

Respiration, microbial

Sensors

Solutes

Wavelength

Wetting
Yeast
(device for monitoring cells)

IT Toxins
RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)
(device for monitoring cells)

IT Reagents
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(device for monitoring cells)

IT Plastics, analysis
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(device for monitoring cells)

IT Rubber, analysis
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(device for monitoring cells)

IT Silicone rubber, analysis
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(device for monitoring cells)

IT Growth factors, animal
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(device for monitoring cells)

IT Collagens, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(device for monitoring cells)

IT Entactin
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(device for monitoring cells)

IT Laminins
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(device for monitoring cells)

IT Proteoglycans, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(heparitin sulfate-containing; device for monitoring cells)

IT Optical detectors
(luminescence; device for monitoring cells)

IT Animal cell
(mammal; device for monitoring cells)

IT Amino acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(nonessential; device for monitoring cells)

IT Collagens, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(type IV; device for monitoring cells)

IT 1499-10-1, 9,10-Diphenylanthracene 15158-62-0D, Tris-2,2'-
bipyridylruthenium (II), salts 36309-88-3, Tris-4,7-diphenyl-1,10-
phenanthroline ruthenium (II) chloride 50525-27-4, Tris-2,2'-
bipyridylruthenium (II) chloride hexahydrate. 63373-04-6D,
Tris-4,7-diphenyl-1,10-phenanthroline ruthenium (II), salts
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(device for monitoring cells)

IT 7631-86-9, Silica, analysis
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(device for monitoring cells)

IT 59-05-2, Methotrexate 151-21-3, Sodium dodecyl sulfate, biological

studies 865-21-4, Vinblastine 7757-83-7, Sodium Sulfite 7782-44-7,
Oxygen, biological studies 26628-22-8, Sodium Azide 35607-66-0,
Cefoxitin 55268-75-2, Cefuroxime 85721-33-1, Ciprofloxacin
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(device for monitoring cells)

IT 57-92-1, Streptomycin, biological studies 113-24-6, Sodium pyruvate
1397-89-3, Fungizone 1406-05-9, Penicillin 119978-18-6, Matrigel
141907-41-7, Matrix metalloproteinase
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(device for monitoring cells)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Bacon, J; Anal Chem 1987, V59(23), P2780 HCPLUS
- (2) Berndt; US 6080574 A 2000
- (3) Collins; US 6107083 A 2000
- (4) Gentle; US 5998517 A 1999 HCPLUS
- (5) Goswami, K; Fiber Optic Chemical Sensor for the Measurement of Partial Pressure of Oxygen 1988, V990, P111
- (6) Stitt; US 5567598 A 1996
- (7) Walt; US 5244636 A 1993 HCPLUS
- (8) Wertz; US 4448534 A 1984
- (9) Wolfbeis, O; Mikrochimica Acta 1986, V3(5-6), P359 HCPLUS

=> b reg

FILE 'REGISTRY' ENTERED AT 16:02:39 ON 30 AUG 2004

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 AUG 2004 HIGHEST RN 735258-95-4
DICTIONARY FILE UPDATES: 29 AUG 2004 HIGHEST RN 735258-95-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d ide l3 tot

L3 ANSWER 1 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN 141907-41-7 REGISTRY
CN Proteinase, matrix metallo- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Matrix metalloendoproteinase
CN Matrix metalloprotease
CN Matrix metalloprotease HIPHUM35
CN Matrix metalloproteinase
CN Matrix-degrading metalloproteinase

MF Unspecified
 CI MAN
 SR CA
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CAPLUS,
 CEN, CHEMCATS, CIN, PROMT, TOXCENTER, USPAT2, USPATFULL
 DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
 study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation);
 USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); USES
 (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological
 study); PROC (Process); USES (Uses)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

3005 REFERENCES IN FILE CA (1907 TO DATE)
 16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 3009 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 119978-18-6 REGISTRY
 CN Matrigel (9CI) (CA INDEX NAME)
 ENTE A culture medium (Becton, Dickinson & Co., Franklin Lakes, NJ)
 MF Unspecified
 CI MAN
 SR CA
 LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
 CANCERLIT, CAPLUS, CIN, EMBASE, MEDLINE, PROMT, TOXCENTER, USPAT2,
 USPATFULL
 DT.CA CAplus document type: Conference; Dissertation; Journal; Patent
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 PROC (Process); PRP (Properties); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP
 (Properties); USES (Uses)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

346 REFERENCES IN FILE CA (1907 TO DATE)
 346 REFERENCES IN FILE CAPLUS (1907 TO DATE)

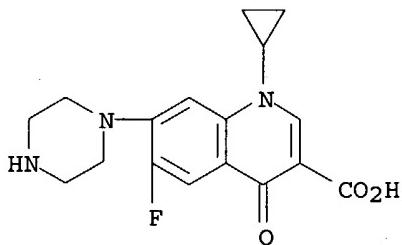
L3 ANSWER 3 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 85721-33-1 REGISTRY
 CN 3-Quinolinecarboxylic acid, 1-cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-
 piperazinyl)- (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN 1-Cyclopropyl-6-fluoro-1,4-dihydro-7-(1-piperazinyl)-4-oxo-3-quinoline
 carboxylic acid
 CN BAY-q 3939
 CN Catex
 CN Ciprine
 CN Cipro IV
 CN Ciprobay 100
 CN Ciprofloxacin
 CN Cipropol

CN Euciprin
 CN Oftacifox
 FS 3D CONCORD
 DR 189257-90-7
 MF C17 H18 F N3 O3
 CI COM
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, HSDB*, IFICDB, IFIUDB, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, NIOSHTIC, PHAR, PIRA, PROMT, PROUSDDR, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USAN, USPAT2, USPATFULL, VETU

(*File contains numerically searchable property data)

Other Sources: WHO

DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

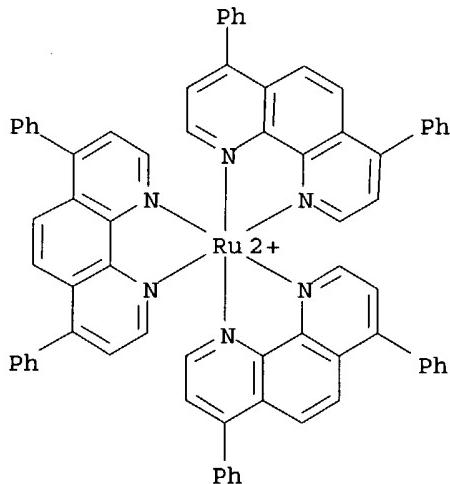


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7914 REFERENCES IN FILE CA (1907 TO DATE)
 85 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 7936 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 63373-04-6 REGISTRY
 CN Ruthenium(2+), tris(4,7-diphenyl-1,10-phenanthroline-.kappa.N1,.kappa.N10)-, (OC-6-11)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1,10-Phenanthroline, 4,7-diphenyl-, ruthenium complex
 CN Ruthenium(2+), tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)-, (OC-6-11)-
 OTHER NAMES:
 CN Ruthenium(II) tris(4,7-diphenyl-1,10-phenanthroline)
 CN Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(2+)
 CN Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II)

MF C72 H48 N6 Ru
 CI CCS, COM
 LC STN Files: BIOSIS, CA, CAPLUS, GMELIN*, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 DT.CA CAplus document type: Conference; Journal; Patent
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES
 (Uses)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
 study); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); MSC (Miscellaneous); PREP
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)
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 study); PREP (Preparation); PROC (Process); PRP (Properties); USES
 (Uses)

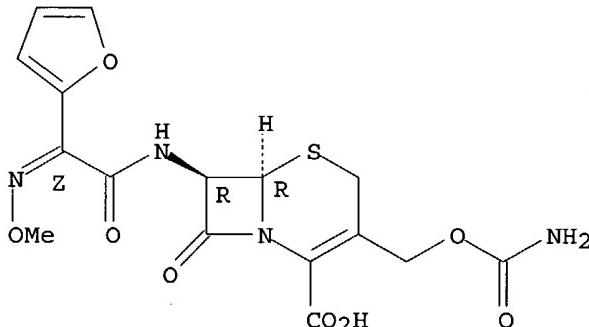


144 REFERENCES IN FILE CA (1907 TO DATE)
 7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 144 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 55268-75-2 REGISTRY
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
 3-[(aminocarbonyl)oxy]methyl]-7-[[2Z)-2-furanyl(methoxyimino)acetyl]amino
 o]-8-oxo-, (6R,7R)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
 3-[(aminocarbonyl)oxy]methyl]-7-[[2-furanyl(methoxyimino)acetyl]amino]-8-
 oxo-, [6R-[6.alpha.,7.beta.(Z)]]-
 OTHER NAMES:
 CN Biofuroksym
 CN Cefaloxime
 CN Cefuroxim
 CN Cefuroxime
 CN Cefuroxime acid
 CN Cephuroxime

CN Ketocef
 FS STEREOSEARCH
 DR 153012-39-6
 MF C16 H16 N4 O8 S
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
 CHEMLIST, CIN, DDFU, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB,
 IMSCOSEARCH, IMSPATENTS, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, PS,
 RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)
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 study); PREP (Preparation); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
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 (Reactant or reagent); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological
 study); PREP (Preparation); PROC (Process); PRP (Properties); USES
 (Uses)

Absolute stereochemistry.
 Double bond geometry as shown.

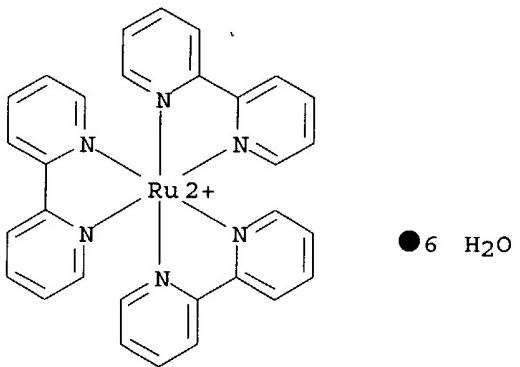


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2491 REFERENCES IN FILE CA (1907 TO DATE)
 16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2493 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 50525-27-4 REGISTRY
 CN Ruthenium(2+), tris(2,2'-bipyridine-.kappa.N1,.kappa.N1')-, dichloride,
 hexahydrate, (OC-6-11)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Ruthenium(2+), tris(2,2'-bipyridine-N,N')-, dichloride, hexahydrate,
 (OC-6-11)-
 OTHER NAMES:
 CN Tris(2,2'-bipyridine)ruthenium dichloride hexahydrate

CN Tris(2,2'-bipyridyl)ruthenium(II) chloride hexahydrate
 MF C₃₀ H₂₄ N₆ Ru . 2 Cl . 6 H₂O
 CI CCS
 LC STN Files: BIOSIS, CA, CAPLUS, CHEMCATS, CHEMINFORMRX, CSCHEM, GMELIN*,
 MSDS-OHS, RTECS*, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 DT.CA CAplus document type: Conference; Journal; Patent
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 PROC (Process); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
 study); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: PRP (Properties)
 CRN (15158-62-0)



●2 Cl⁻

60 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 60 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 7 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 36309-88-3 REGISTRY
 CN Ruthenium(2+), tris(4,7-diphenyl-1,10-phenanthroline-.kappa.N1,.kappa.N10)-,
 dichloride, (OC-6-11)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1,10-Phenanthroline, 4,7-diphenyl-, ruthenium complex
 CN Ruthenium(2+), tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)-, dichloride,
 (OC-6-11)-
 OTHER NAMES:
 CN Ruthenium (II) tris(4,7-diphenyl-1,10-phenanthroline) dichloride
 CN Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium dichloride
 CN Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(2+) dichloride
 CN Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) chloride
 CN Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) dichloride
 MF C₃₀ H₂₄ N₆ Ru . 2 Cl
 CI CCS

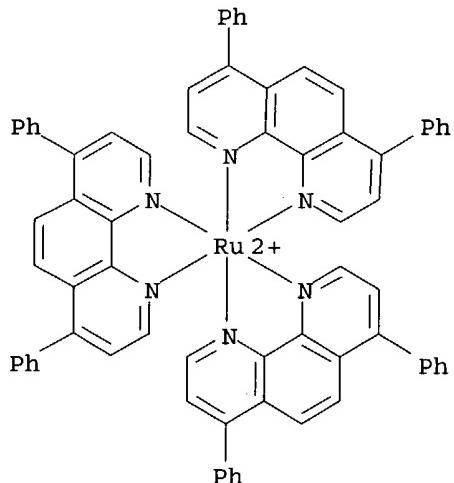
LC STN Files: CA, CAPLUS, CHEMCATS, CSCHEM, GMELIN*, TOXCENTER, USPAT2,
USPATFULL
 (*File contains numerically searchable property data)

DT.CA CPlus document type: Conference; Journal; Patent

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES
(Uses)

RL.NP Roles from non-patents: ANST (Analytical study); PREP (Preparation);
PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES
(Uses)

CRN (63373-04-6)



●2 Cl⁻

104 REFERENCES IN FILE CA (1907 TO DATE)
104 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 8 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 35607-66-0 REGISTRY
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
 3-[[aminocarbonyl]oxy]methyl]-7-methoxy-8-oxo-7-[(2-thienylacetyl)amino]-
 , (6R,7S)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
 3-[[aminocarbonyl]oxy]methyl]-7-methoxy-8-oxo-7-[(2-thienylacetyl)amino]-
 , (6R-cis)-
 OTHER NAMES:
 CN Cefoxitin
 CN Cephoxitin
 FS STEREOSEARCH
 DR 39951-67-2
 MF C16 H17 N3 O7 S2
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMLIST, CIN,

CSCHEM, CSNB, DDFU, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IMSPATENTS, IPA, MEDLINE, MRCK*, NAPRALERT, PROMT, PS, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)

Other Sources: EINECS**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Report

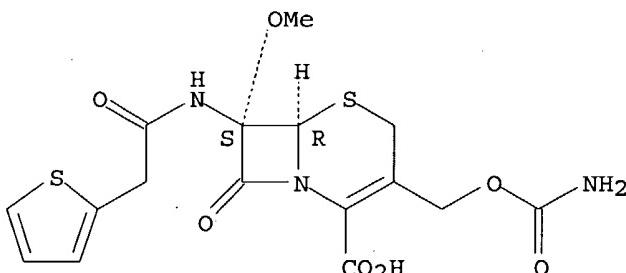
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PROC (Process); PRP (Properties)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2968 REFERENCES IN FILE CA (1907 TO DATE)

17 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2972 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 9 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 26628-22-8 REGISTRY

CN Sodium azide (Na(N3)) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Sodium azide (8CI)

OTHER NAMES:

CN 17: PN: WO2004035819 PAGE: 242 claimed sequence

CN 9: PN: WO03068795 PAGE: 36 claimed sequence

CN Hydrazoic acid, sodium salt

CN Nemazyd

CN NSC 3072

DR 503002-54-8, 12136-89-9, 20828-18-6, 108592-00-3, 157302-08-4

MF N3 Na

CI COM

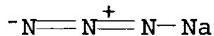
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, PS, RTECS*, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 CMBI (Combinatorial study); MSC (Miscellaneous); OCCU (Occurrence); PREP
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses); NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);
 PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); CMBI (Combinatorial study); FORM (Formation, nonpreparative);
 MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);
 NORL (No role in record)
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 study); FORM (Formation, nonpreparative); PREP (Preparation); PROC
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



7640 REFERENCES IN FILE CA (1907 TO DATE)

121 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

7649 REFERENCES IN FILE CAPLUS (1907 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 10 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 26023-30-3 REGISTRY

CN Poly[oxy(1-methyl-2-oxo-1,2-ethanediyl)] (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 700DA

CN Biomer L 9000

CN D,L-Dilactide polymer, SRU

CN D-Lactic acid-L-lactic acid copolymer, SRU

CN D-Lactide-L-lactide copolymer, sru

CN DL-3,6-dimethyl-1,4-dioxane-2,5-dione homopolymer, SRU

CN DL-Lactic acid homopolymer

CN DL-Lactic acid homopolymer, SRU

CN DL-Lactic acid polymer, sru

CN DL-lactide homopolymer, SRU

CN DL-Lactide polymer, SRU

CN DL-Poly(lactic acid), SRU

CN Ecoloju

CN Ecoloju SEP

CN Ecoloju SEP 15

CN Ecoloju SEP 25

CN Ecoloju SFP

CN Ecoloju SFPT

CN EcoPla

CN EcoPla 3000D

CN EcoPla 300D

CN EcoPla 4040D

CN EcoPla 4200D

CN EcoPla 5039B

CN EcoPla 520

CN EcoPla 6200D

CN EcoPla 6301D

CN EcoPla 6310D
CN EcoPla DVD 98
CN Guidor
CN H 1000
CN H 440S
CN HC
CN HC (polylactide)
CN Heplon A 10005
CN Ingeo
CN L 4040D
CN L 5000
CN L 5000 (polyester)
CN Lacea
CN Lacea CF 400
CN Lacea H 100
CN Lacea H 1000
CN Lacea H 100E
CN Lacea H 100PL
CN Lacea H 100PW
CN Lacea H 230
CN Lacea H 280
CN Lacea H 400
CN Lacea H 440S

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY

DR 163714-70-3, 57214-58-1, 51063-13-9, 71950-85-1, 79934-21-7, 149234-22-0,
118418-98-7, 157243-30-6, 183815-90-9, 210546-24-0, 294861-10-2,
369363-49-5, 464895-92-9

MF (C₃ H₄ O₂)_n

CI PMS, COM

PCT Polyester

LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT,
CHEMCATS, CIN, CSCHEM, IFICDB, IFIPAT, IFIUDB, MRCK*, PIRA, PROMT,
TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

DT.CA CPlus document type: Conference; Dissertation; Journal; Patent;
Preprint; Report

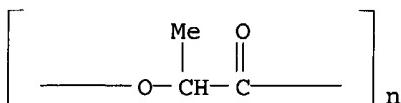
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FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
(Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP
(Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC
(Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation);
PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES
(Uses)

RELATED POLYMERS AVAILABLE WITH POLYLINK



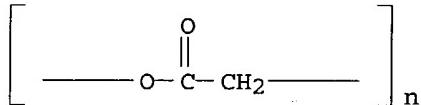
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5948 REFERENCES IN FILE CA (1907 TO DATE)
 185 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 5981 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 11 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 26009-03-0 REGISTRY
 CN Poly[oxy(1-oxo-1,2-ethanediyl)] (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Poly(oxycarbonylmethylene) (8CI)
 OTHER NAMES:
 CN Biofix
 CN Bondek
 CN Bromoacetic acid homopolymer, sru
 CN Dexon TC 33
 CN Ethyl glycolate homopolymer, sru
 CN Glycolic acid homopolymer, SRU
 CN Glycolic acid polymer, SRU
 CN Glycolide homopolymer, sru
 CN Hydroxyacetic acid homopolymer, SRU
 CN Hydroxyacetic acid polymer, SRU
 CN Methyl glycolate homopolymer, sru
 CN Monochloroacetic acid sodium salt homopolymer, SRU
 CN PHO 3836
 CN Poly(glycolic acid polyester)
 CN Poly(glycolic acid), SRU
 CN Poly(L-glycolic acid), sru
 CN Poly(p-dioxane-2,5-dione)
 CN Polyglycolic acid
 CN Polyglycolide
 CN Polyglycolide, SRU
 CN Sodium bromoacetate homopolymer, SRU
 CN Surgisorb SV 013
 CN SV 013
 DR 32168-63-1
 MF (C₂ H₂ O₂)_n
 CI PMS, COM
 PCT Polyester
 LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
 CANCERLIT, CAPLUS, CASREACT, CEN, CHEMCATS, CIN, CSCHEM, DDFU, DRUGU,
 EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, PIRA, PROMT,
 TOXCENTER, USAN, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: WHO
 DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 FORM (Formation, nonpreparative); MSC (Miscellaneous); PREP
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
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(Properties); RACT (Reactant or reagent); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RELATED POLYMERS AVAILABLE WITH POLYLINK



1934 REFERENCES IN FILE CA (1907 TO DATE)
 61 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1945 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 12 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 25322-69-4 REGISTRY
 CN Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy- (9CI)
 (CA INDEX NAME)

OTHER NAMES:

CN .alpha.-Hydro-.omega.-hydroxypoly(oxypropylene)
 CN 1,2-Epoxypropane polymer
 CN 1,2-Propanediol, homopolymer
 CN 1,2-Propylene glycol-propylene oxide polymer
 CN 835E
 CN Acclaim 2020
 CN Acclaim 3200
 CN Acclaim 8000
 CN Acclaim DPP 12200
 CN Actcol 51-530
 CN Actcol MF 30
 CN Actcol P 21
 CN Actcol P 22
 CN Actcol P 23
 CN Actcol P 23K
 CN Actcol P 25
 CN Actcol PC 244
 CN Adeka Carpol DL
 CN Adeka Carpol DL 150
 CN Adeka Carpol DL 80
 CN Adeka Carpol M 110
 CN Adeka P 1000
 CN Adeka P 2000
 CN Adeka P 3000
 CN Adeka P 400
 CN Adeka P 700
 CN Adeka Polyether P 700
 CN Alkapol PPG 4000
 CN Arco R 2446
 CN Arcol 1000N
 CN Arcol 1004
 CN Arcol 1010
 CN Arcol 1020
 CN Arcol 2025

CN Arcol PPG 1025
 CN Arcol PPG 2025
 CN Arcol PPG 3025
 CN Arcol PPG 425
 CN Arcol PPG 725
 CN Arcol R 1885
 CN BP 18100
 CN D 2000
 CN D 300
 CN D 400
 CN D 7P
 CN Desmophen 1600 U
 CN Desmophen 1600U
 CN Desmophen 360C
 CN Desmophen L 800
 CN Desmophen LP 112

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY

AR 25266-78-8, 25989-03-1
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 174206-36-1, 174722-18-0, 122392-88-5, 126906-04-5, 53528-82-8,
 53863-41-5, 54500-36-6, 124631-70-5, 125147-71-9, 130842-36-3,
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 75139-15-0, 146024-61-5, 150825-72-2, 80408-02-2, 143710-19-4,
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 84503-25-3, 84682-96-2, 87608-88-6, 87940-78-1, 88025-94-9, 91218-84-7,
 92094-60-5, 89126-79-4, 27274-27-7, 28724-27-8, 29434-03-5, 34465-52-6,
 39465-43-5, 52309-41-8, 100357-60-6, 111146-16-8, 116958-46-4,
 117968-93-1, 118441-48-8, 187954-99-0, 250380-45-1, 380912-66-3,
 380912-82-3

MF (C₃ H₆ O)n H₂ O

CI IDS, PMS, COM

PCT Polyether

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO,
 CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN,
 CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DRUGU, EMBASE, ENCOMPLIT,
 ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA,
 MEDLINE, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, TOXCENTER,
 TULSA, ULIDAT, USPAT2, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAplus document type: Conference; Dissertation; Journal; Patent;
 Preprint; Report

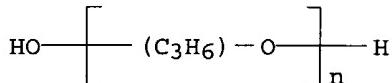
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC
 (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);
 PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role
 in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
 study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC
 (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);
 PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); CMBI (Combinatorial study); FORM (Formation, nonpreparative);

MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13251 REFERENCES IN FILE CA (1907 TO DATE)
 4635 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 13261 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 13 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 15158-62-0 REGISTRY

CN Ruthenium(2+), tris(2,2'-bipyridine-.kappa.N1,.kappa.N1')-, (OC-6-11)-
 (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ruthenium(2+), tris(2,2'-bipyridine)-, ion (8CI)

CN Ruthenium(2+), tris(2,2'-bipyridine-N,N')-, (OC-6-11)-

OTHER NAMES:

CN (.+-.)-Tris(2,2'-bipyridine)ruthenium(2+)

CN Tris(2,2'-bipyridine)ruthenium ion(2+)

CN Tris(2,2'-bipyridine)ruthenium(2+)

CN Tris(2,2'-bipyridine)ruthenium(II)

CN Tris(2,2'-bipyridine)ruthenium(II) ion

CN Tris(2,2'-bipyridyl)ruthenium(2+)

CN Tris(2,2'-bipyridyl)ruthenium(II)

CN Tris(2,2'-dipyridine)ruthenium(2+)

CN Tris(bipyridine)ruthenium(2+)

CN Tris(bipyridine)ruthenium(II)

DR 23677-82-9, 69028-29-1, 71031-51-1

MF C30 H24 N6 Ru

CI CCS, COM

LC STN Files: AGRICOLA, ANABSTR, BIOSIS, CA, CANCERLIT, CAPLUS, CASREACT, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, PROMT, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

DT.CA Cplus document type: Conference; Dissertation; Journal; Patent; Report

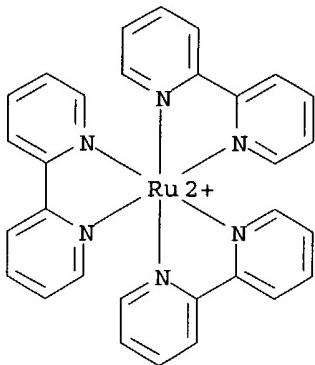
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU

(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



2436 REFERENCES IN FILE CA (1907 TO DATE)

94 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2439 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 14 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 9050-30-0 REGISTRY

CN Heparan, sulfate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Heparitin sulfate (8CI)

OTHER NAMES:

CN Alpha-Idosane

CN Heparan N-sulfate

CN Heparan sulphate

CN Heparatan sulfate

CN Heparitin

CN Heparitin monosulfate

CN HHS 5

CN N-Acetylheparan sulfate

CN Suleparoid

CN Tavidan

DR 666856-66-2, 666856-67-3, 12751-16-5, 11078-25-4, 11097-05-5, 11129-40-1,
29188-70-3

MF H2 O4 S . x Unspecified

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, IMSRESEARCH, IPA, MEDLINE, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAPplus document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

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study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

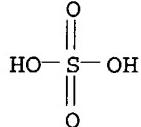
CM 1

CRN 70226-44-7
CMF Unspecified
CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 7664-93-9
CMF H₂ O₄ S



4657 REFERENCES IN FILE CA (1907 TO DATE)
266 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4665 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 15 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 9035-51-2 REGISTRY

CN Cytochrome P 450 (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Cytochrome m

CN Cytochrome P 450-linked monooxygenase

CN Cytochrome P-450 mixed-function oxidase

CN Flavocytochrome P 450

CN P 450

CN Supermix

DR 54577-77-4, 57973-92-9, 85537-39-9, 85537-40-2, 87003-45-0

MF Unspecified

CI COM, MAN

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMINFORMRX, CIN, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, NIOSHTIC, PIRA, PROMT, TOXCENTER, ULIDAT, USPAT2, USPATFULL

DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological

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RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

33674 REFERENCES IN FILE CA (1907 TO DATE)

521 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

33693 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 16 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 7782-44-7 REGISTRY

CN Oxygen (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Dioxygen

CN Molecular oxygen

CN Oxygen molecule

FS 3D CONCORD

DR 1338-93-8, 14797-70-7, 80217-98-7, 80937-33-3

MF O2

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, PS, RTECS*, SPECINFO, TOXCENTER, TULSA, UOLIDAT, USAN, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAPplus document type: Book; Conference; Dissertation; Journal; Patent; Preprint; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

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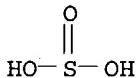
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

O==O

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

348067 REFERENCES IN FILE CA (1907 TO DATE)
 27702 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 348374 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 17 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 7757-83-7 REGISTRY
 CN Sulfurous acid, disodium salt (8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Anhydrous sodium sulfite
 CN Disodium sulfite
 CN Disodium sulfite (Na₂SO₃)
 CN E 221
 CN S-WAT
 CN Sodium sulfite
 CN Sodium sulfite (Na₂SO₃)
 CN Sodium sulfite anhydrous
 AR 10579-83-6
 DR 68135-69-3
 MF H₂ O₃ S . 2 Na
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO,
 CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES,
 DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*,
 HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC,
 PDLCOM*, PIRA, PROMT, RTECS*, TOXCENTER, TULSA, ULIDAT, USPAT2,
 USPATFULL, VTB
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA Cplus document type: Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
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 (Properties); RACT (Reactant or reagent); USES (Uses)
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 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: FORM (Formation,
 nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties);
 RACT (Reactant or reagent); USES (Uses)
 CRN (7782-99-2)



●2 Na

10081 REFERENCES IN FILE CA (1907 TO DATE)
154 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
10090 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 18 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 7631-86-9 REGISTRY

CN Silica (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1165MP

CN 175GR

CN 255S

CN 300CF

CN 30R50

CN 30R7

CN 3K

CN 3KS

CN 400G

CN 400WQ

CN 5X

CN 937L

CN 940UP

CN 955W

CN 980H

CN A 150

CN A 175

CN A 200

CN A 300

CN A 380

CN Acematt HK 400

CN Acematt TS 100

CN Acrifix 122

CN Acticel

CN Adelite 20N

CN Adelite 30

CN Adelite A

CN Adelite AD 321

CN Adelite AT

CN Adelite AT 20

CN Adelite AT 20A

CN Adelite AT 20N

CN Adelite AT 20Q

CN Adelite AT 20S

CN Adelite AT 30

CN Adelite AT 30A

CN Adelite AT 30B

CN Adelite AT 30S

CN Adelite AT 40

CN Adelite AT 50

CN Adelite BT 55

CN Adelite BT 59

CN Adelite CT 100

CN Adelite CT 300

CN Admafine C 5

CN Admafine SD 25R

CN Admafine SE 2050

CN Admafine SE 5100

CN Admafine SO-C 1

CN Admafine SO-C 5

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

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 12774-28-6, 9049-77-8, 1340-09-6, 172306-09-1, 173299-41-7, 127689-16-1,
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 250579-78-3, 264907-28-0, 330152-64-2, 341028-71-5, 368432-40-0,
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MF O2 Si
 CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS,
 BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,
 CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB,
 DDFU, DETHERM*, DIOGENES, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,
 ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB,
 IMSCOSEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA,
 PROMT, RTECS*, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU,
 VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent;
 Preprint; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC
 (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);
 PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role
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RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
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RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
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 PRP (Properties); RACT (Reactant or reagent); USES (Uses)

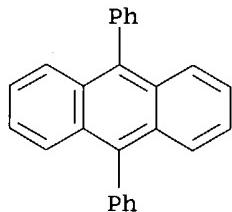
O=Si=O

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

303542 REFERENCES IN FILE CA (1907 TO DATE)

5935 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 303876 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 19 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 1499-10-1 REGISTRY
 CN Anthracene, 9,10-diphenyl- (6CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN 9,10-Diphenylanthracene
 CN DPA
 CN NSC 24861
 FS 3D CONCORD
 DR 65166-75-8
 MF C26 H18
 CI COM
 LC STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
 CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN,
 CSCHEM, DETHERM*, EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB,
 MEDLINE, MSDS-OHS, NIOSHTIC, PROMT, SPECINFO, TOXCENTER, USPAT2,
 USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
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 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
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 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1442 REFERENCES IN FILE CA (1907 TO DATE)
 10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1443 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 64 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 20 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 1406-05-9 REGISTRY
 CN Penicillin (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Mykoin BF 510

CN Penicillins
 DR 88326-90-3, 88326-91-4, 88326-92-5, 88326-93-6
 MF Unspecified
 CI COM, MAN
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DIOGENES, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, NAPRALERT, NIOSHTIC, PDLCOM*, PHAR, PIRA, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL, VTB
 (*File contains numerically searchable property data)
 Other Sources: EINECS**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA Cplus document type: Book; Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
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*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

10003 REFERENCES IN FILE CA (1907 TO DATE)

309 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

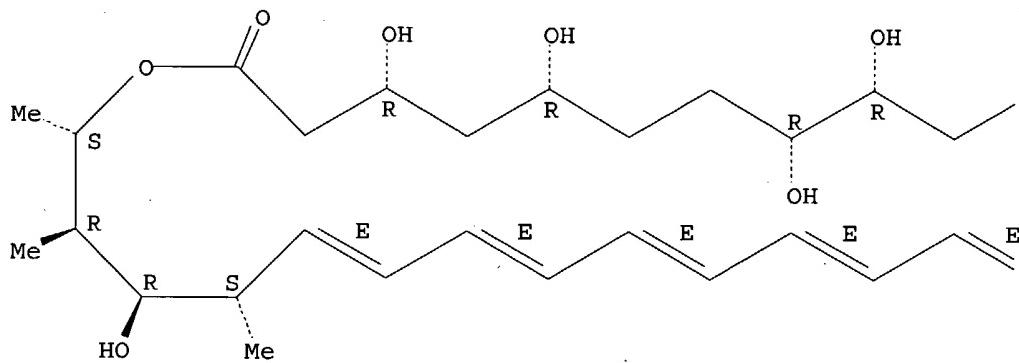
10010 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 21 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 1397-89-3 REGISTRY
 CN Amphotericin B (8CI, 9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Fungizone (7CI)
 OTHER NAMES:
 CN (1R, 3S, 5R, 6R, 9R, 11R, 15S, 16R, 17R, 18S, 19E, 21E, 23E, 25E, 27E, 29E, 31E, 33R, 35S, 36R, 37S)-33-[(3-Amino-3,6-dideoxy-.beta.-D-mannopyranosyl)oxy]-1,3,5,6,9,11,17,37-octahydroxy-15,16,18-trimethyl-13-oxo-14,39-dioxabicyclo[33.3.1]nonatriaconta-19,21,23,25,27,29,31-heptaene-36-carboxylic acid
 CN 14,39-Dioxabicyclo[33.3.1]nonatriaconta-19,21,23,25,27,29,31-heptaene-36-carboxylic acid, 33-[(3-amino-3,6-dideoxy-.beta.-D-mannopyranosyl)oxy]-1,3,5,6,9,11,17,37-octahydroxy-15,16,18-trimethyl-13-oxo-, (1R, 3S, 5R, 6R, 9R, 11R, 15S, 16R, 17R, 18S, 19E, 21E, 23E, 25E, 27E, 29E, 31E, 33R, 35S, 36R, 37S)-
 CN Abelcet
 CN AmBisome
 CN Amphi-Moronol
 CN Amphocin
 CN Amphozone
 CN Fungilin
 CN Halizon
 CN LNS-AmB

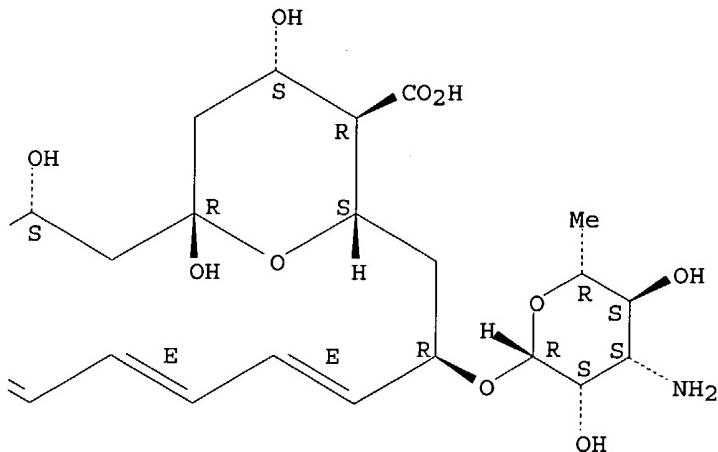
CN NS 718
 CN NSC 527017
 AR 30652-87-0
 FS STEREOSEARCH
 DR 170451-78-2, 8055-20-7, 54482-28-9, 30782-62-8
 MF C47 H73 N O17
 CI COM
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*,
 BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS,
 CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES,
 DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IMSDRUGNEWS,
 IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PHAR,
 PROMT, PROUDDR, PS, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA Cplus document type: Book; Conference; Dissertation; Journal; Patent;
 Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 FORM (Formation, nonpreparative); MSC (Miscellaneous); PREP
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
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 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
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 (Preparation); PROC (Process); PRP (Properties); USES (Uses)
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 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
 study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC
 (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties);
 RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry.
 Double bond geometry as shown.

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4698 REFERENCES IN FILE CA (1907 TO DATE)
 165 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 4708 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 22 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 865-21-4 REGISTRY
 CN Vincleukoblastine (6CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1H-Indolizino[8,1-cd]carbazole, vincleukoblastine deriv.
 CN 2H-3,7-Methanoazacycloundecino[5,4-b]indole, vincleukoblastine deriv.
 CN Vinblastine (7CI)
 OTHER NAMES:
 CN (+)-Vinblastine
 CN 1H-Indolizino[8,1-cd]carbazole-5-carboxylic acid, 4-(acetyloxy)-3a-ethyl-9-[5-ethyl-1,4,5,6,7,8,9,10-octahydro-5-hydroxy-9-(methoxycarbonyl)-2H-3,7-methanoazacycloundecino[5,4-b]indol-9-yl]-3a,4,5,5a,6,11,12,13a-octahydro-5-hydroxy-8-methoxy-6-methyl-, methyl ester, [3aR-[3a.alpha.,4.beta.,5.beta.,9(3R*,5S*,7R*,9S*),10bR*,13a.alpha.]]-
 CN Rozevin
 CN Vinblastin
 CN Vincleucoblastin
 CN Vincleucoblastine
 CN VLB
 CN [3aR-[3a.alpha.,4.beta.,5.beta.,5a.beta.,9(3R*,5S*,7R*,9S*),10bR*,13a.alpha.]]-Methyl 4-(acetyloxy)-3a-ethyl-9-[5-ethyl-1,4,5,6,7,8,9,10-octahydro-5-hydroxy-9-(methoxycarbonyl)-2H-3,7-methanoazacycloundecino[5,4-b]indol-9-yl]-3a,4,5,5a,6,11,12,13a-octahydro-5-hydroxy-8-methoxy-6-methyl-1H-indolizino[8,1-cd]carbazole-5-carboxylate
 FS STEREOSEARCH
 DR 7060-58-4, 57-23-8
 MF C46 H58 N4 O9
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE,

HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

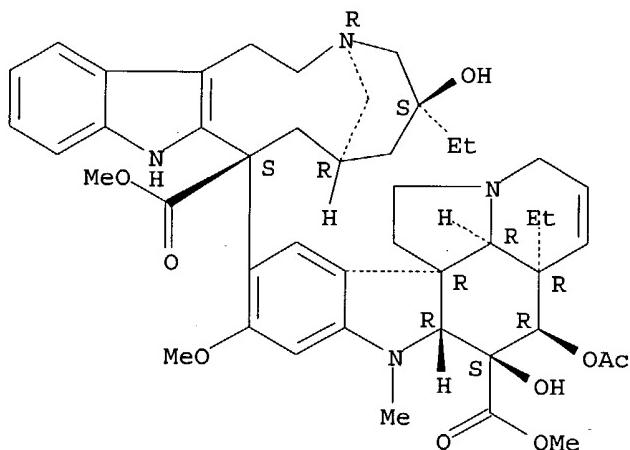
(*File contains numerically searchable property data)

Other Sources: EINECS**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

- DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
- RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
- RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)
- RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
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Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4523 REFERENCES IN FILE CA (1907 TO DATE)

148 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

4531 REFERENCES IN FILE CAPLUS (1907 TO DATE)

10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 23 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 151-21-3 REGISTRY

CN Sulfuric acid monododecyl ester sodium salt (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Adeka Hope LS 35

CN Adeka Hope LS 90

CN Akyposal NLS

CN Akyposal SDS
CN Alscoop LN 40A
CN Alscoop LN 90
CN Alscoop MP 90N
CN Alscoop SP 40
CN Aquarex Me
CN Avirol 101
CN Avirol SL 2010
CN Berol 452
CN Bio-Soft SDBS 60
CN Calfoam SLS 30
CN Carsonol SLS-S
CN Conco Sulfate WAS
CN Cycloryl 21LS
CN Cycloryl 580
CN Dehydag Sulfate GL
CN Dodecyl sodium sulfate
CN Dodecyl sulfate sodium salt
CN Dreft
CN Duponol C
CN Duponol ME
CN Duponol QC
CN Duponol WA
CN Duponol WA Dry
CN Duponol WAQ
CN Duponol WAQE
CN Duponol WAQM
CN Emal 10
CN Emal 10 Needle
CN Emal 10 Powder
CN Emal 2F
CN Emal 2F Needle
CN Emal 2F30
CN Emal O
CN Emal OS
CN Empicol 0303
CN Empicol 0303VA
CN Empicol BSD 70
CN Empicol LPZ
CN Empicol LS 30
CN Empicol LX 28
CN Empicol LX 28R
CN Empicol LX 42
CN Empicol LXSV 938U
CN Empicol LXV
CN Empicol LY 28S
CN Empicol LZ/D
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY
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121481-64-9, 58640-35-0, 57176-54-2, 64441-33-4, 129203-37-8, 51222-39-0,
61711-39-5, 111726-87-5, 74433-77-5, 145269-44-9, 152155-52-7,
156108-01-9, 191490-40-1, 237743-45-2, 303179-49-9
MF C12 H26 O4 S . Na
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*,
BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT,
CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU,
DETERHM*, DIOGENES, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,
ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,

MSDS-OHS, NIOSHTIC, PDLCOM*, PHAR, PIRA, PROMT, RTECS*, TOXCENTER,
TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent;
Preprint; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC
(Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);
NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP
(Properties); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
(Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU
(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
(Reactant or reagent); USES (Uses)

CRN (151-41-7)



● Na

30378 REFERENCES IN FILE CA (1907 TO DATE)

269 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

30428 REFERENCES IN FILE CAPLUS (1907 TO DATE)

32 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 24 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 113-24-6 REGISTRY

CN Propanoic acid, 2-oxo-, sodium salt (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Pyruvic acid, sodium salt (7CI, 8CI)

OTHER NAMES:

CN Sodium alpha.-ketopropionate

CN Sodium pyruvate

DR 220803-31-6

MF C3 H4 O3 . Na

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX,
CHEMLIST, CSCHEM, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,
MSDS-OHS, NIOSHTIC, PROMT, PS, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

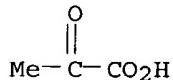
DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP
(Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in
record)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

CRN (127-17-3)



● Na

1017 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1017 REFERENCES IN FILE CAPLUS (1907 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 25 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 59-05-2 REGISTRY

CN L-Glutamic acid, N-[4-[[2,4-diamino-6-pteridinyl)methyl]methylamino]benzoyl] - (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glutamic acid, N-[p-[[2,4-diamino-6-pteridinyl)methyl]methylamino]benzoyl] -, L-(+)- (8CI)

OTHER NAMES:

CN (+)-Amethopterin

CN 4-Amino-10-methylfolic acid

CN 4-Amino-N10-methylfolic acid

CN 4-Amino-N10-methylpteroylglutamic acid

CN Amethopterin

CN Amethopterine

CN Antifolan

CN CL 14377

CN EMT 25299

CN Emtexate

CN L-Amethopterin

CN L-Methotrexate

CN Ledertrexate

CN Metatrexan

CN Methotrexat-Ebewe

CN Methotrexate

CN Methylaminopterin

CN Mexate

CN MTX

CN N-[p-[[2,4-Diamino-6-pteridinyl)methyl]methylamino]benzoyl]-L-(+)-glutamic acid

CN NSC 740

CN R 9985

CN Rheumatrex

FS STEREOSEARCH

MF C20 H22 N8 O5

CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*,

BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSChem, CSNB, DDFU, DIOGENES, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PHAR, PROMT, PROUSDDR, PS, RTECS*, SPECINFO, TOXCENTER, ULIDAT, USAN, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)

Other Sources: EINECS**, NDSSL**, TSCA**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Report

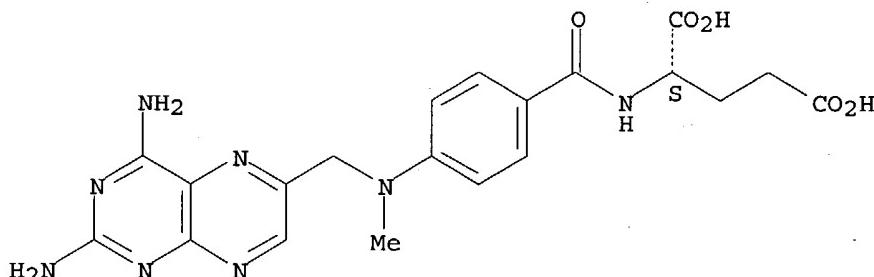
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

11297 REFERENCES IN FILE CA (1907 TO DATE)

756 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

11312 REFERENCES IN FILE CAPLUS (1907 TO DATE)

73 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 26 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 57-92-1 REGISTRY

CN D-Streptamine, O-2-deoxy-2-(methylamino)-.alpha.-L-glucopyranosyl-(1.fwdarw.2)-O-5-deoxy-3-C-formyl-.alpha.-L-lyxofuranosyl-(1.fwdarw.4)-N,N'-bis(aminoiminomethyl)-(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Streptomycin (8CI)

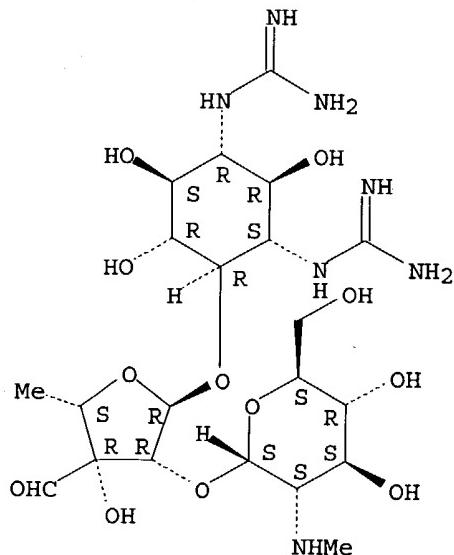
OTHER NAMES:

CN 2,4-Diguanidino-3,5,6-trihydroxycyclohexyl 5-deoxy-2-O-(2-deoxy-2-methylamino-.alpha.-glucopyranosyl)-3-formylpentofuranoside

CN Agrept

CN Agrimycin
 CN Neodiestreptopab
 CN NSC 14083
 CN Streptomycin A
 FS STEREOSEARCH
 DR 12672-24-1, 82958-69-8, 47814-83-5, 47816-81-9, 364062-67-9
 MF C21 H39 N7 O12
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
 BIOSIS, BIOTECHNO, CA, CABAB, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,
 CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DIOGENES, DRUGU,
 EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS,
 NAPRALERT, NIOSHTIC, PIRA, PROMT, PS, RTECS*, TOXCENTER, USAN, USPAT2,
 USPATFULL, VETU, VTB
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA Cplus document type: Book; Conference; Dissertation; Journal; Patent;
 Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 FORM (Formation, nonpreparative); MSC (Miscellaneous); PREP
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 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
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 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13186 REFERENCES IN FILE CA (1907 TO DATE)
 89 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 13198 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 27 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> b wpix
 FILE 'WPIX' ENTERED AT 16:02:56 ON 30 AUG 2004
 COPYRIGHT (C) 2004 THOMSON DERWENT

FILE LAST UPDATED: 26 AUG 2004 <20040826/UP>
 MOST RECENT DERWENT UPDATE: 200455 <200455/DW>
 DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

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 PLEASE VISIT:
[<<<](http://www.stn-international.de/training_center/patents/stn_guide.pdf)

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES, SEE
<http://thomsonderwent.com/coverage/latestupdates/> <<<

>>> FOR INFORMATION ON ALL DERWENT WORLD PATENTS INDEX USER
 GUIDES, PLEASE VISIT:
<http://thomsonderwent.com/support/userguides/> <<<

>>> NEW! FAST-ALERTING ACCESS TO NEWLY-PUBLISHED PATENT
 DOCUMENTATION NOW AVAILABLE IN DERWENT WORLD PATENTS INDEX
 FIRST VIEW - FILE WPIFV.
 FOR FURTHER DETAILS: [<<<](http://www.thomsonderwent.com/dwpifv)

>>> NEW DISPLAY FORMAT HITSTR ADDED ALLOWING DISPLAY OF
 HIT STRUCTURES WITHIN THE BIBLIOGRAPHIC DOCUMENT <<<

=> d all 14

L4 ANSWER 1 OF 1 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN
 AN 2004-478206 [45] WPIX
 DNN N2004-376924 DNC C2004-178120
 TI Detecting oxygen consumption in test sample, e.g. biological sample, by
 exposing test sample and control sample to sensor composition, determining
 strength of signals generated by sensor composition, and comparing
 strengths of signals.
 DC A89 B04 D16 J04 S03 T01
 IN KEITH, S C
 PA (KEIT-I) KEITH S C
 CYC 1
 PI US 2004106209 A1 20040603 (200445)* 16 G01N033-00 <--
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 19930303, CIP of US 1996-715557 19960918, CIP of US 1999-342720 19990629,
 CIP of US 2000-642504 20000818, US 2001-966505 20010928
 FDT US 2004106209 A1 CIP of US 5567598, CIP of US 6395506
 PRAI US 2001-966505 20010928; US 1991-687359 19910418;
 US 1993-25899 19930303; US 1996-715557 19960918;
 US 1999-342720 19990629; US 2000-642504 20000818
 IC ICM G01N033-00
 AB US2004106209 A UPAB: 20040810
 NOVELTY - Detection of oxygen consumption in test sample includes exposing
 test sample and control sample to sensor composition, determining signal

strength generated by the sensor composition at time intervals, and comparing the strengths of signals generated from the sensor composition exposed to test sample with the signals generated by the sensor composition exposed to control sample, and determining whether oxygen in test sample has been consumed.

DETAILED DESCRIPTION - Detection of oxygen consumption in a test sample includes exposing a test sample and a control sample to a sensor composition comprising a luminescent compound that is inhibited from generating detectable signal in the presence of inhibitory amount of oxygen and generates detectable signal as the inhibitory amount of oxygen is reduced; determining the strength of signals generated by the sensor compositions at time intervals; and comparing the strengths of signals generated from the sensor composition exposed to the test sample with the signals generated by the sensor composition exposed to the control sample over the time intervals, and determining whether oxygen in the test sample has been consumed.

An INDEPENDENT CLAIM is also included for an article of manufacture comprising a computer usable medium, a computer readable code embodied on the computer usable medium for detecting oxygen consumption in a test sample and designed to receive signals generated at time intervals by a sensor composition, and computer readable program code devices designed to cause the computer to effect the comparing of the strengths of signals generated from the sensor composition exposed and determining whether oxygen in the test sample has been consumed.

USE - For detecting oxygen consumption in test sample, e.g. biological sample.

ADVANTAGE - The inventive method enables similar fluorescent signals from control and test samples to be distinguishable, so that over time, one can assess whether or not oxygen consumption occurring in a test sample is different from that occurring in a control sample.

Dwg.0/7

FS CPI EPI

FA AB; DCN

MC CPI: A12-L04; A12-W11L; B04-L03C; B05-A03B; B05-C08; B08-D02; B11-C07B3;
B11-C08E3; B12-K04E; D05-A02A; D05-H09; J04-B01; J04-C02

EPI: S03-E14H; T01-S03

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